

FAILING CONTINUOUS DELIVERY

JDAYS,
GOTHENBURG, 2015-03-17
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ABOUT US...



Daniel Deogun



Daniel Sawano

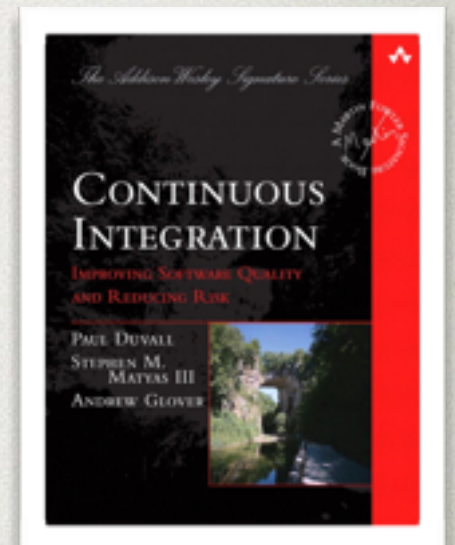
Omegapoint

Stockholm - Gothenburg - Malmoe - Umea - New York

CONTINUOUS INTEGRATION

*“**Continuous Integration** is a software development practice where members of a team **integrate** their **work frequently**, usually each person integrates at least daily - leading to multiple integrations per day. Each integration is **verified** by an **automated build** (including test) to detect integration errors as quickly as possible.”*

- Martin Fowler, ThoughtWorks



CONTINUOUS DELIVERY

*“...**continuous delivery** means making sure your **software** is **always production ready** throughout its entire lifecycle – that **any build** could **potentially** be **released** to users at the touch of a button using a fully automated process in a matter of seconds or minutes.”*

- Jez Humble, ThoughtWorks



CONTINUOUS DELIVERY OR CONTINUOUS DEPLOYMENT?

*“I see the difference as a business decision about frequency of deployment into production. Continuous Deployment is actually **deploying every change** into **production**, every day or more frequently.”*

- Martin Fowler, ThoughtWorks

*“...continuous deployment implies continuous delivery the converse is not true. **Continuous delivery** is about putting the release schedule in the hands of the business, not in the hands of IT... **any build** could **potentially** be **released** to users at the touch of a button using a fully automated process in a matter of seconds or minutes”*

- Jez Humble, ThoughtWorks

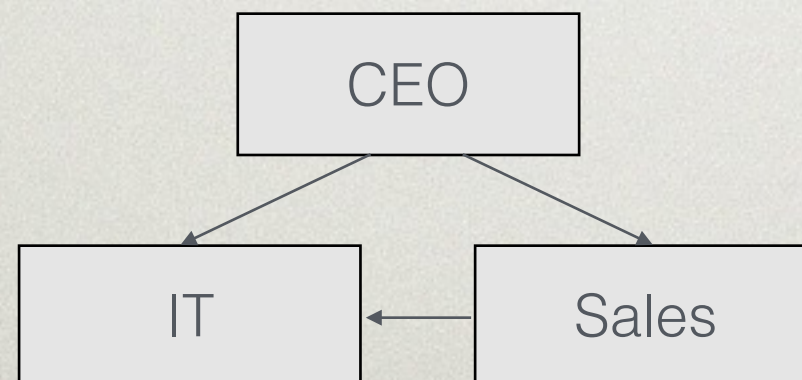
WHAT DRIVES CD IN AN ORGANIZATION?



[Wallstreet]



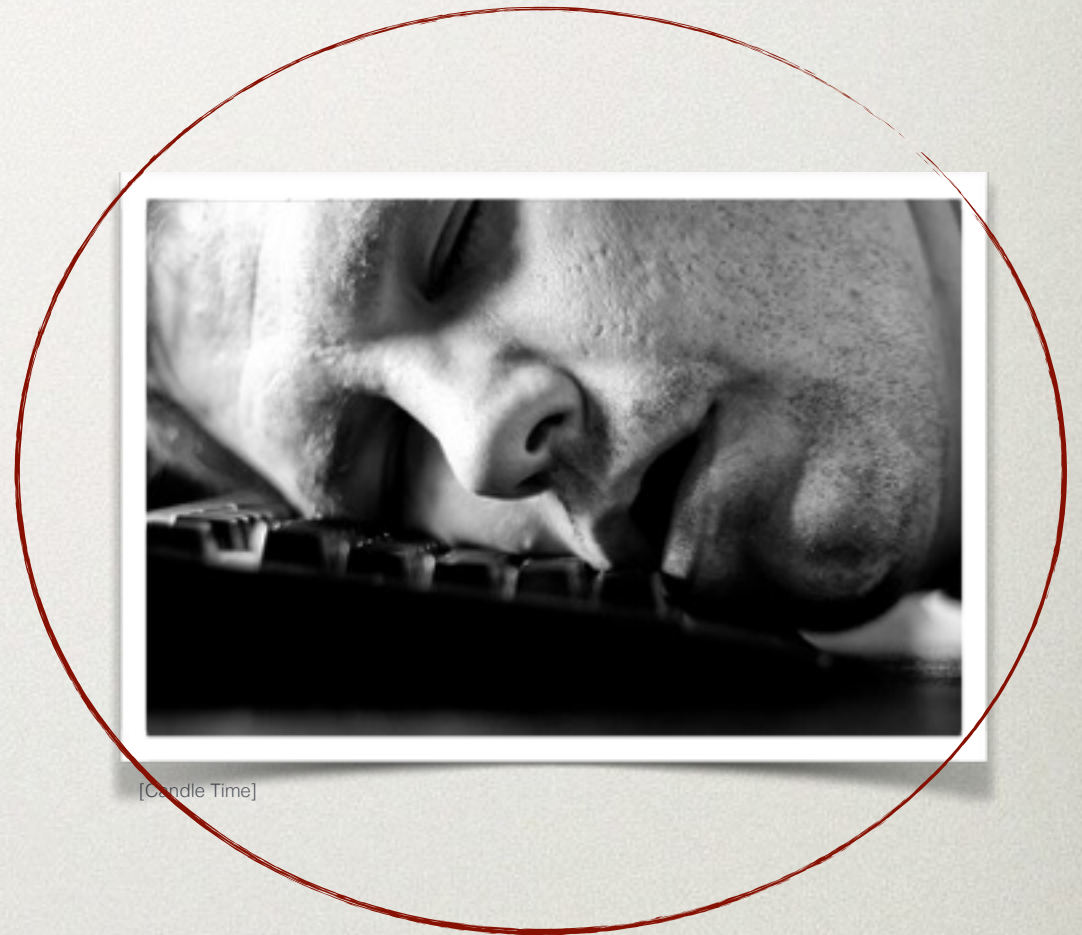
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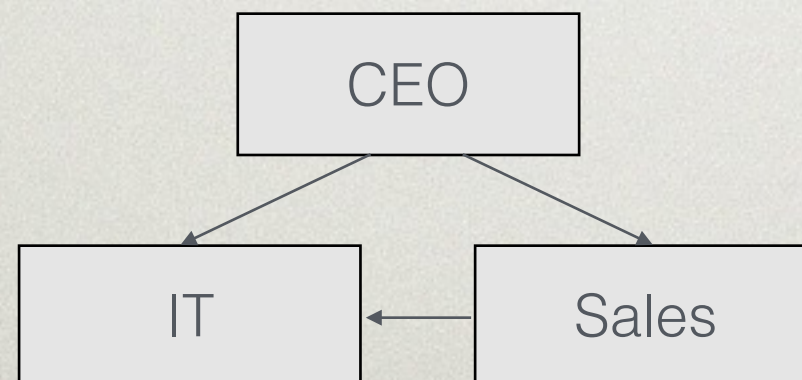
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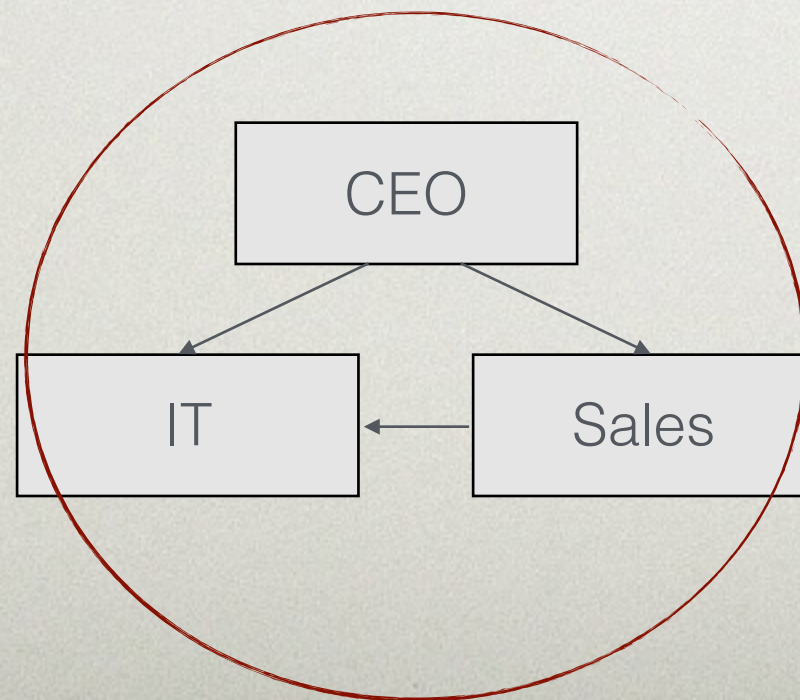
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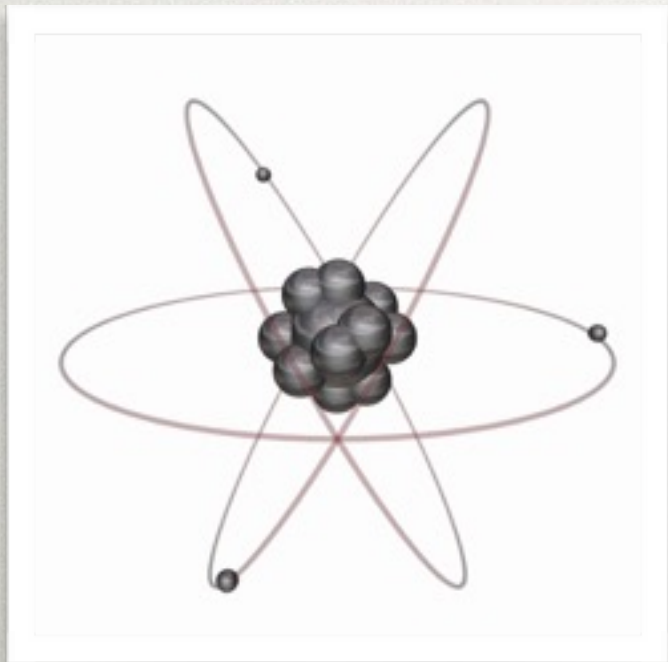
[Wallstreet]



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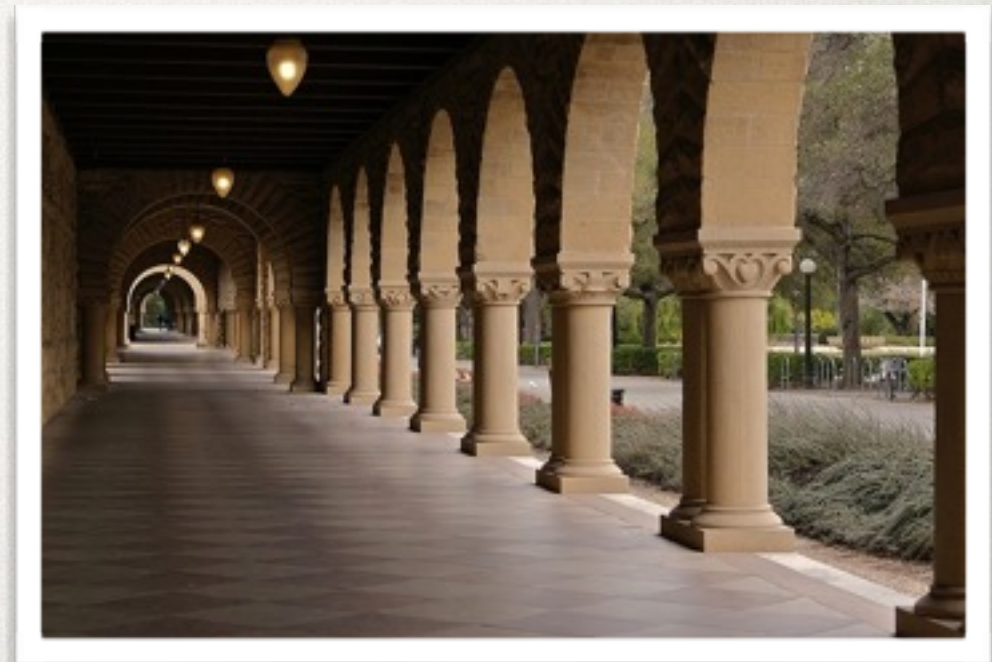


CORE VS SUPPORTIVE IT



[Atom]

Core



[Quad Hall]

Supportive

IT - SUPPORTIVE OR CORE?

IT - SUPPORTIVE OR CORE?

The Google logo is centered on the page. It features the word "Google" in its signature multi-colored font: blue for 'G', red for 'o', yellow for 'o', blue for 'g', green for 'l', and red for 'e'.

IT - SUPPORTIVE OR CORE?



IT - SUPPORTIVE OR CORE?



IT - SUPPORTIVE OR CORE?



Bank of America

THE CHALLENGES



ORGANIZATION

*Current organization is not designed to
continuously produce business value*

ORGANIZATION

Business case



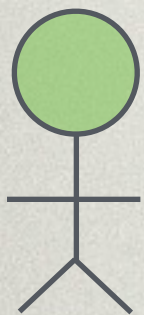
Operations



Test



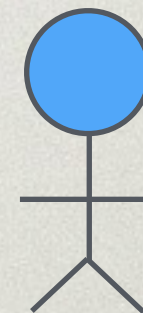
Design



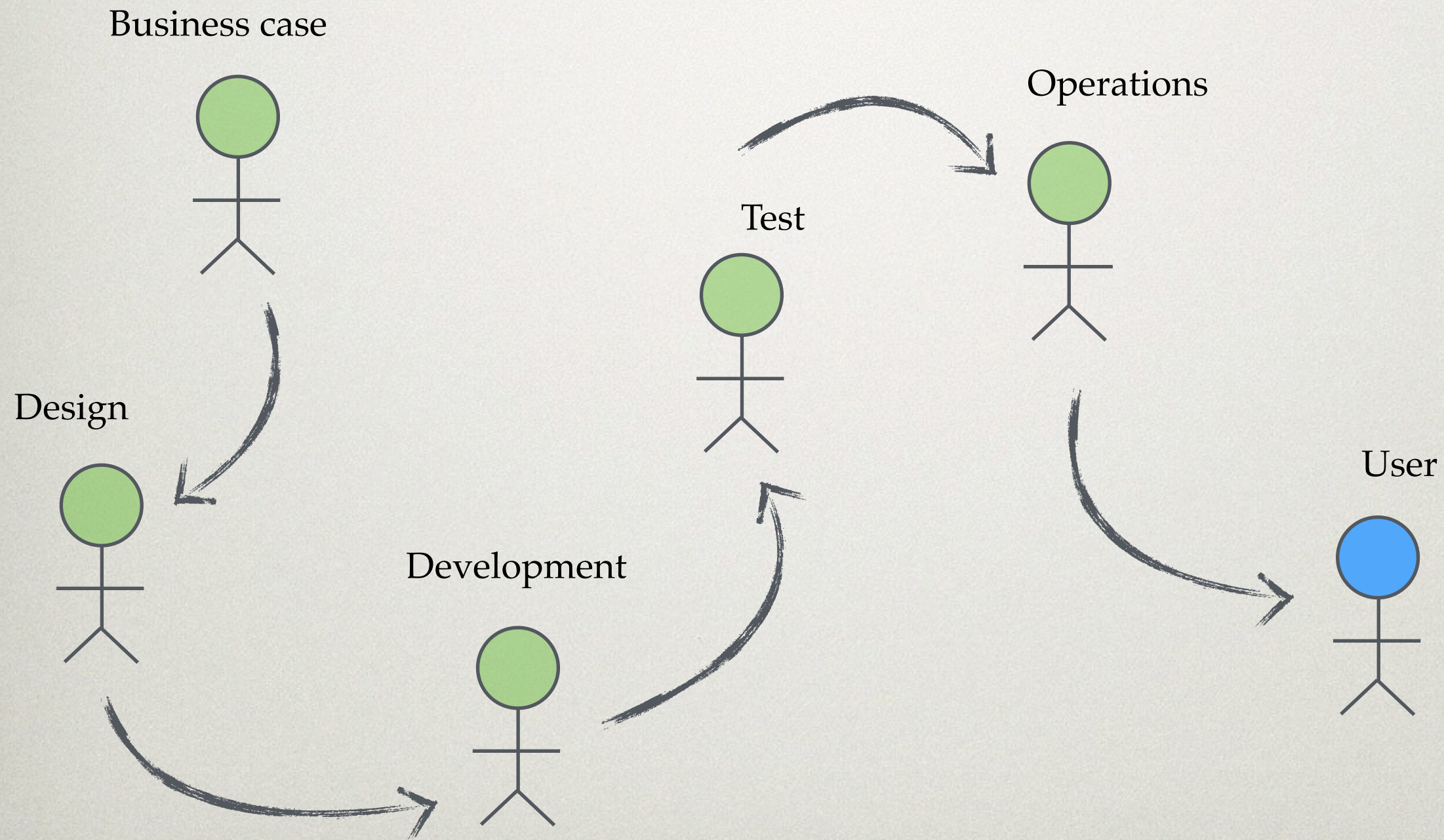
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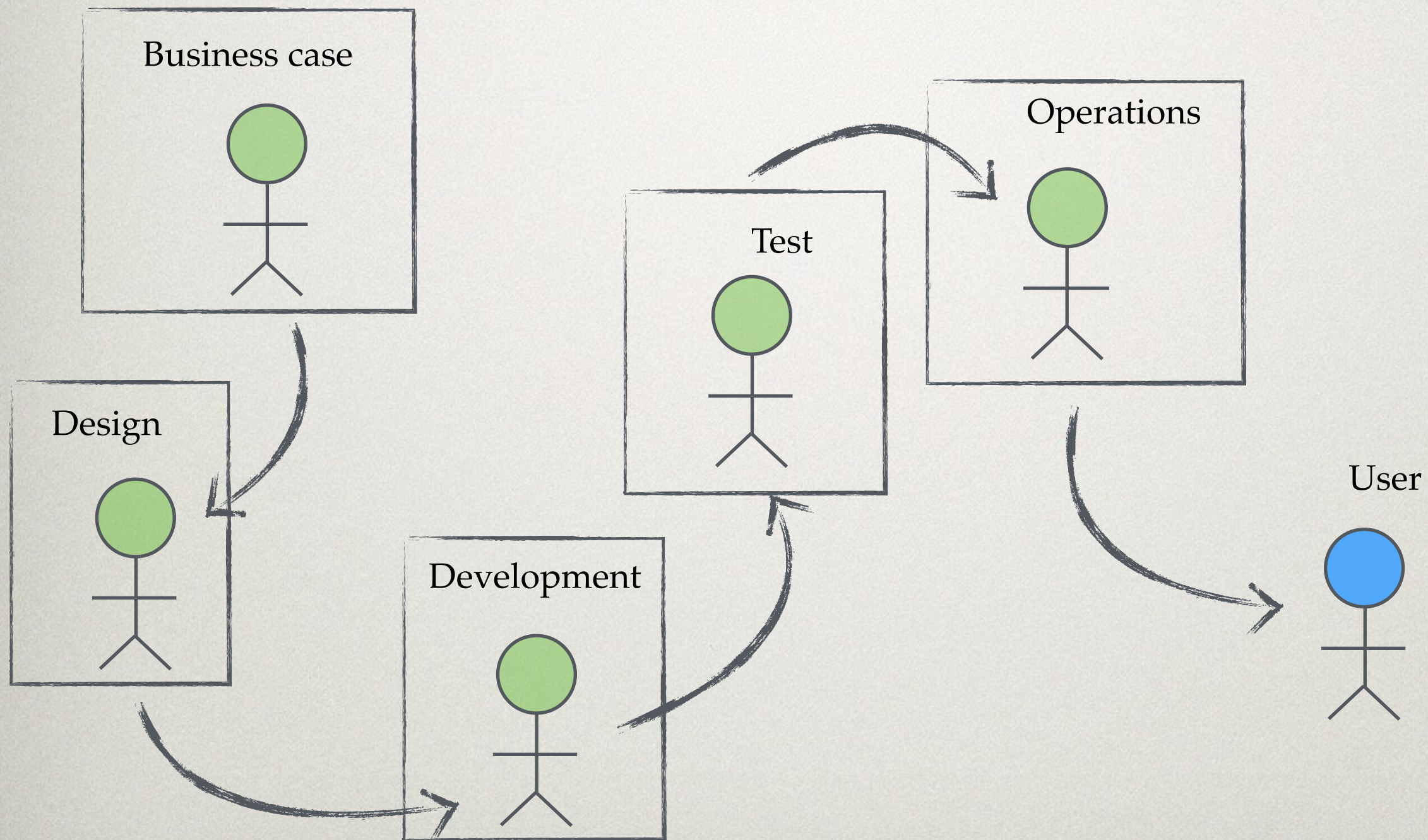
User



ORGANIZATION



ORGANIZATION



CONWAY'S LAW

“organizations which design systems ... are constrained to produce designs which are copies of the communication structures of these organizations”

- M. Conway, 1967

CONWAY'S LAW APPLIED TO BUSINESS VALUE

“Organizations which design IT products are constrained to produce business value at a rate limited by the organizational structure”

INVERSE CONWAY MANEUVER

*“... evolving your team and organizational structure to promote
your desired architecture”*

- ThoughtWorks Technology Radar





embrace change

adapt

avoid organizational
inertia

A black and white photograph of a forest. The foreground and middle ground are filled with numerous thin, vertical tree trunks, likely birches, which create a strong sense of depth and repetition. In the background, slightly to the right of the center, stands a single, much thicker and darker tree, possibly a deciduous tree without its leaves, which stands out from the uniformity of the surrounding forest. The ground is covered in fallen leaves and twigs. The overall mood is contemplative and serene.

think different

PROCESS



[Waterfall]

PROCESS

Know when to stop polishing the diamond

PROCESS

- The only way to know if an idea that looks good on paper will generate revenue is to test it on customers
- Release, measure, improve / abort

BUSINESS



[Business]

BUSINESS

- Today's market is increasingly competitive and demanding
- You need *IT management*

BUSINESS

- IT and business is fused together
- New breed of managers

IT

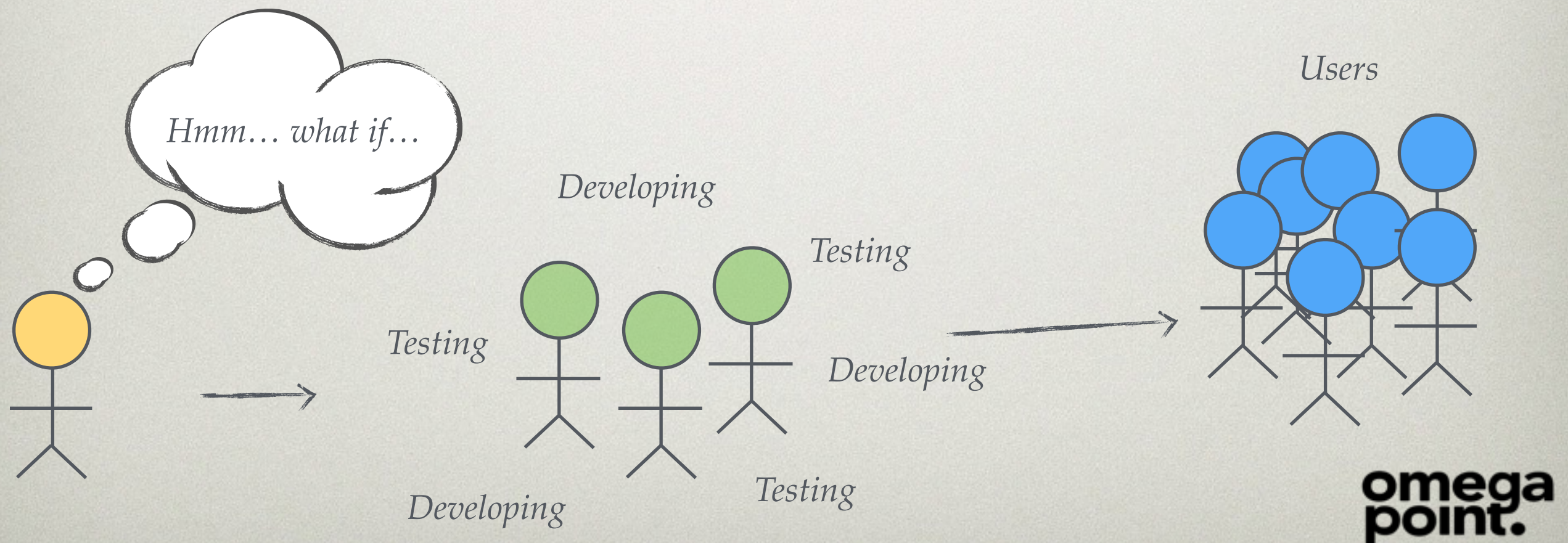


[Matrix Code]

CYCLE TIME

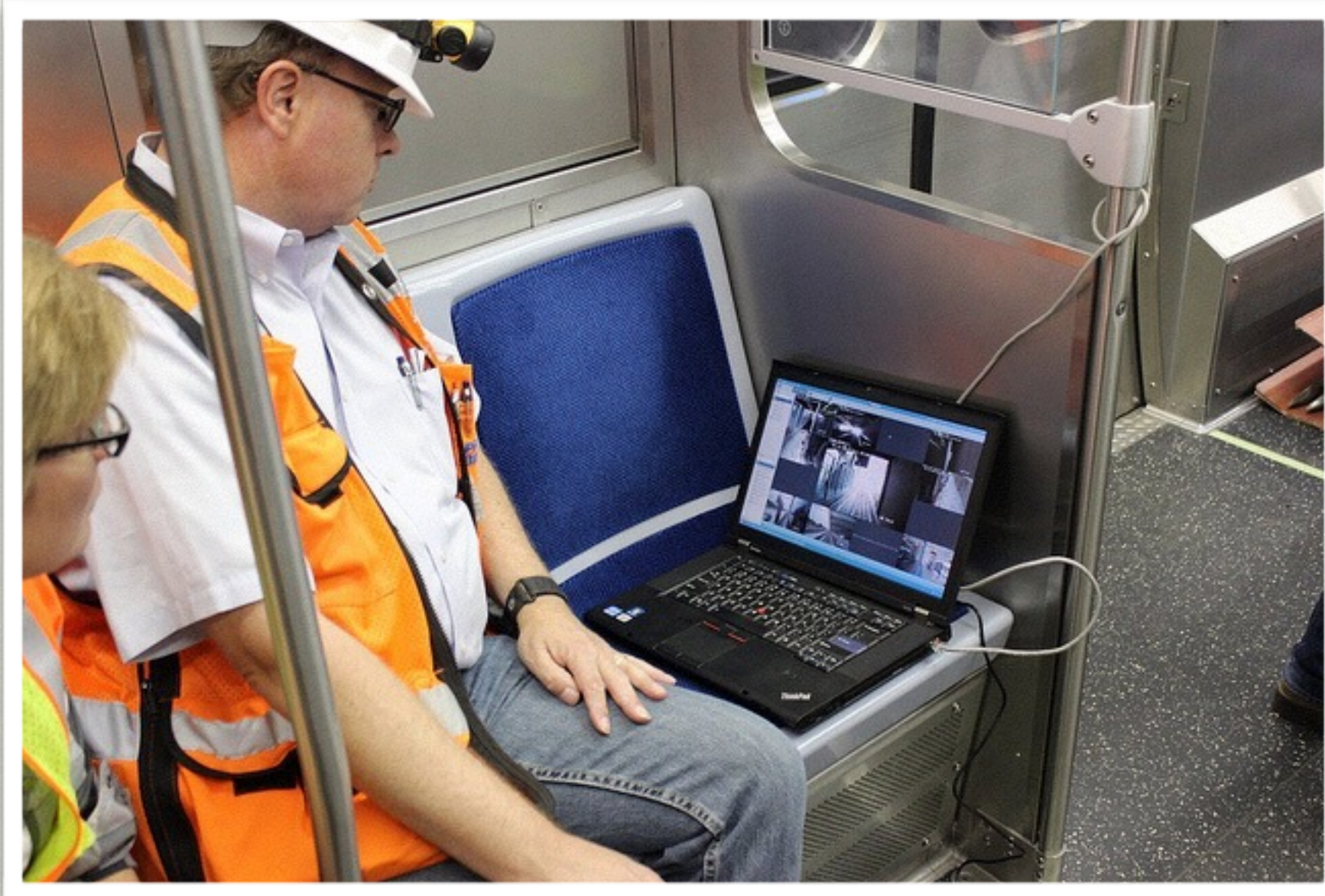
“...the time it takes from deciding to make a change, whether a bug fix or a feature, to having it available to users.”

- Jez Humble, David Farley, Continuous Delivery



MANUAL TESTING

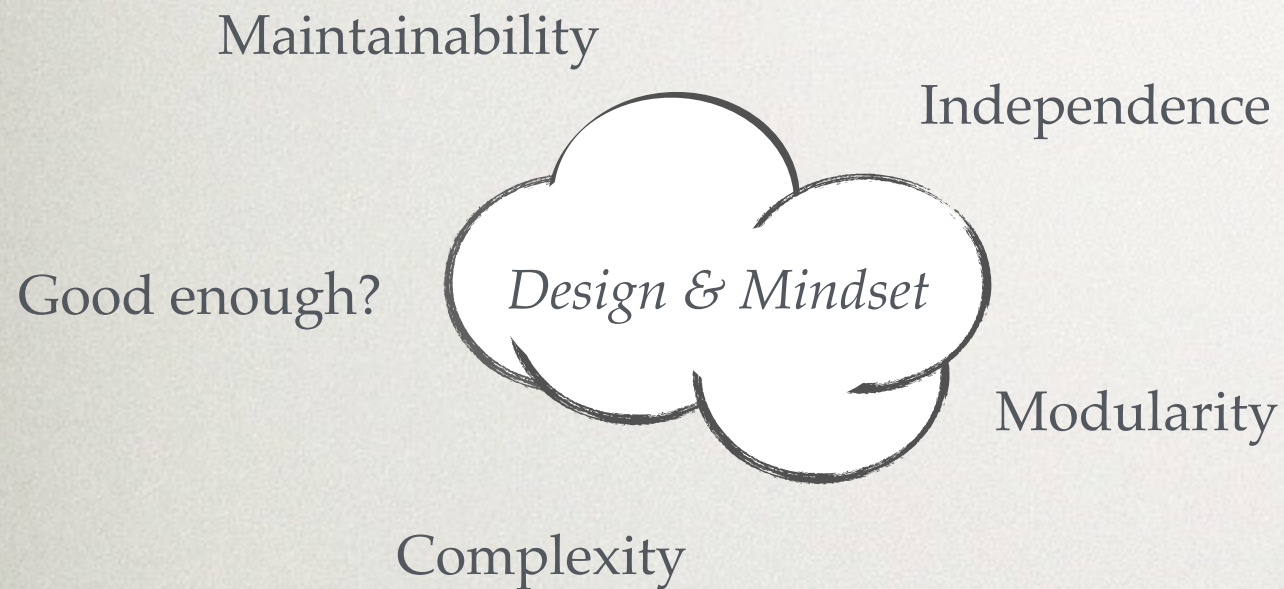
- JUST AUTOMATE THAT SH*T



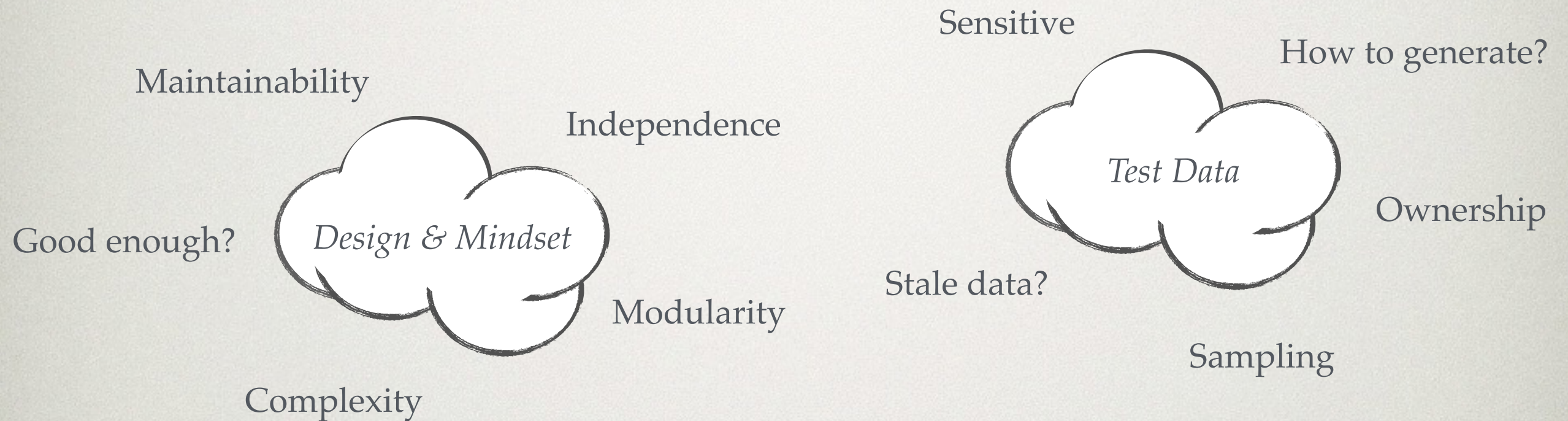
[Testing]

IMPLICATIONS OF JUST AUTOMATE THAT ...

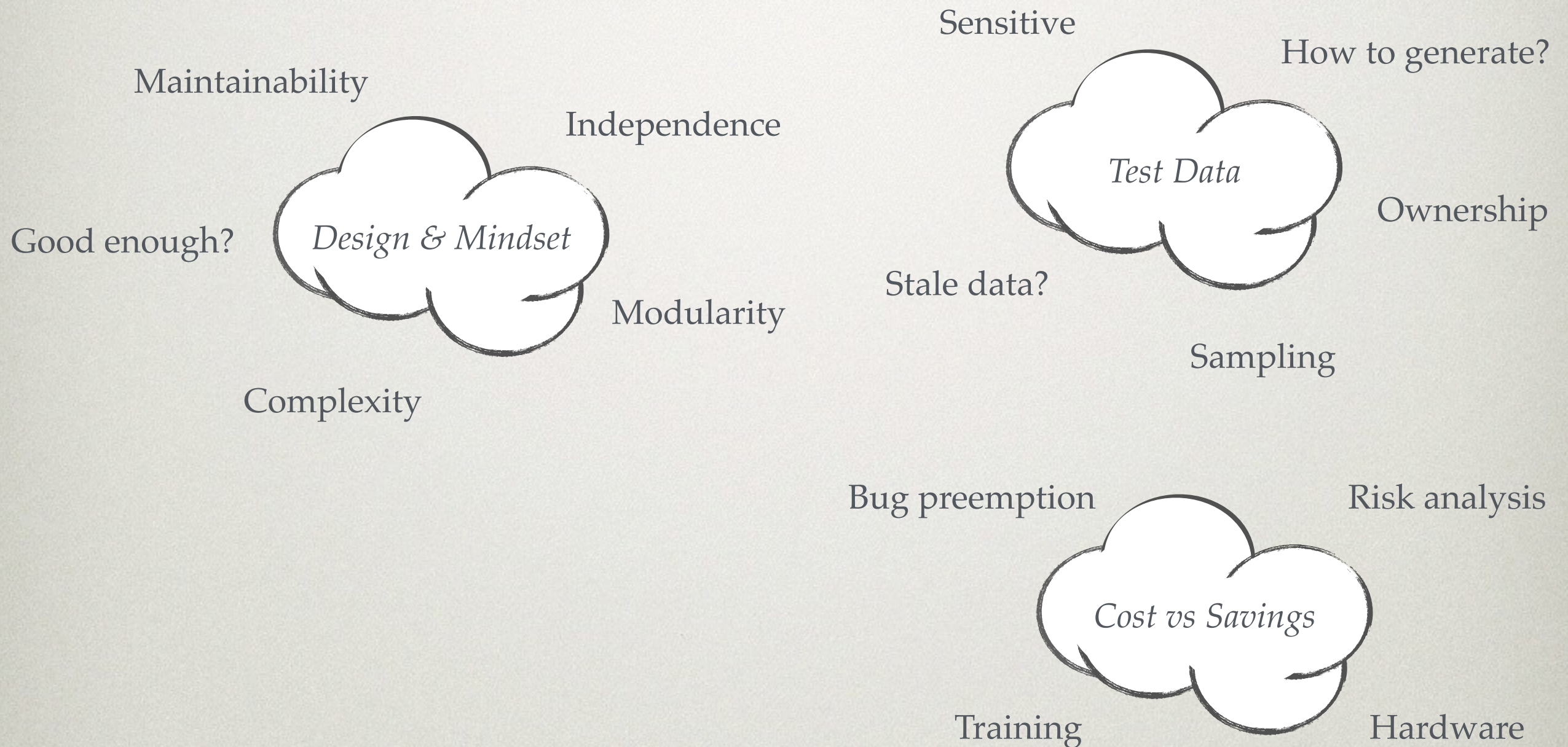
IMPLICATIONS OF JUST AUTOMATE THAT ...



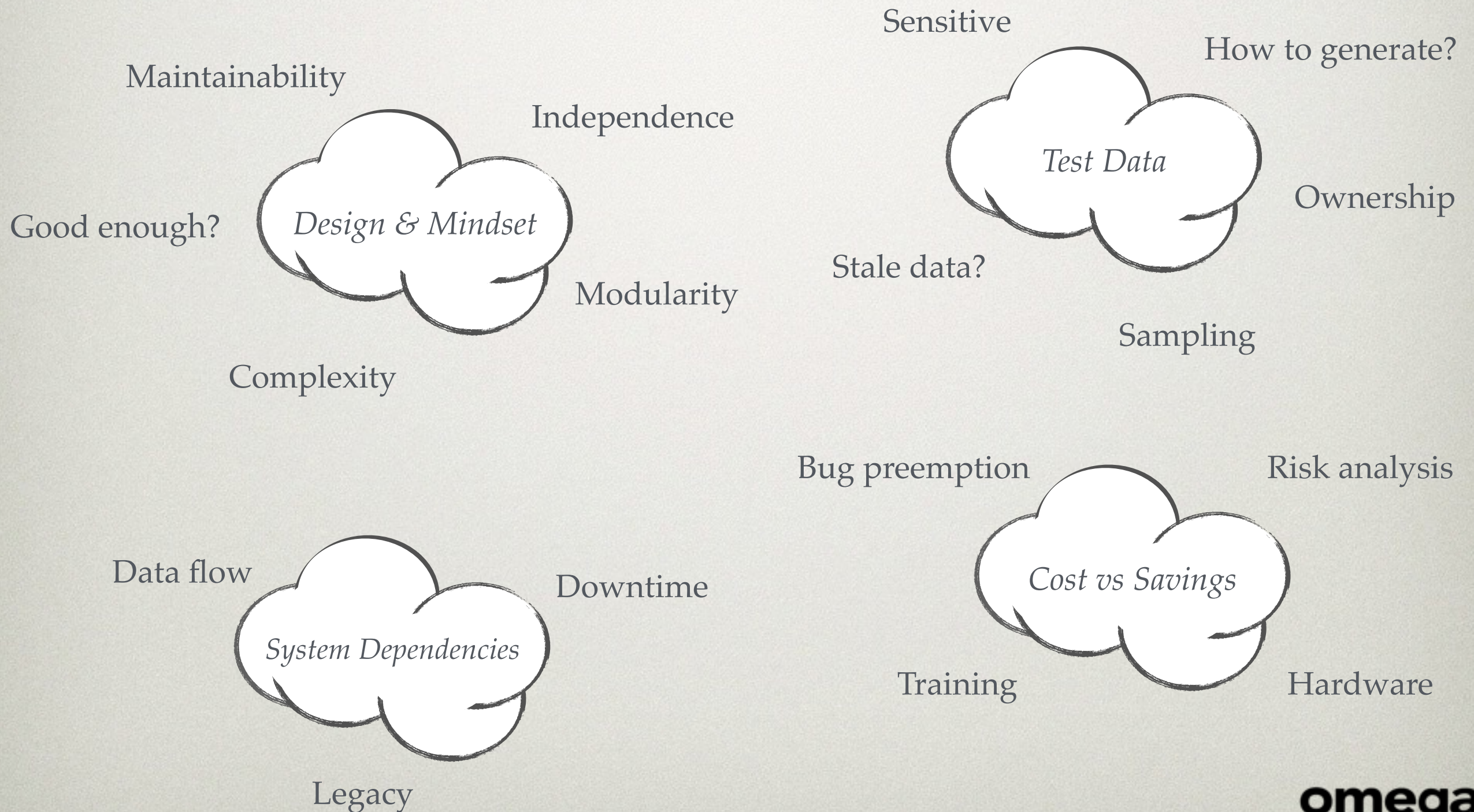
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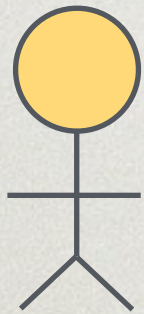
IMPLICATIONS OF JUST AUTOMATE THAT ...



IMPLICATIONS OF JUST AUTOMATE THAT ...



THE RISK REDUCTION - RELEASE DILEMMA



Business

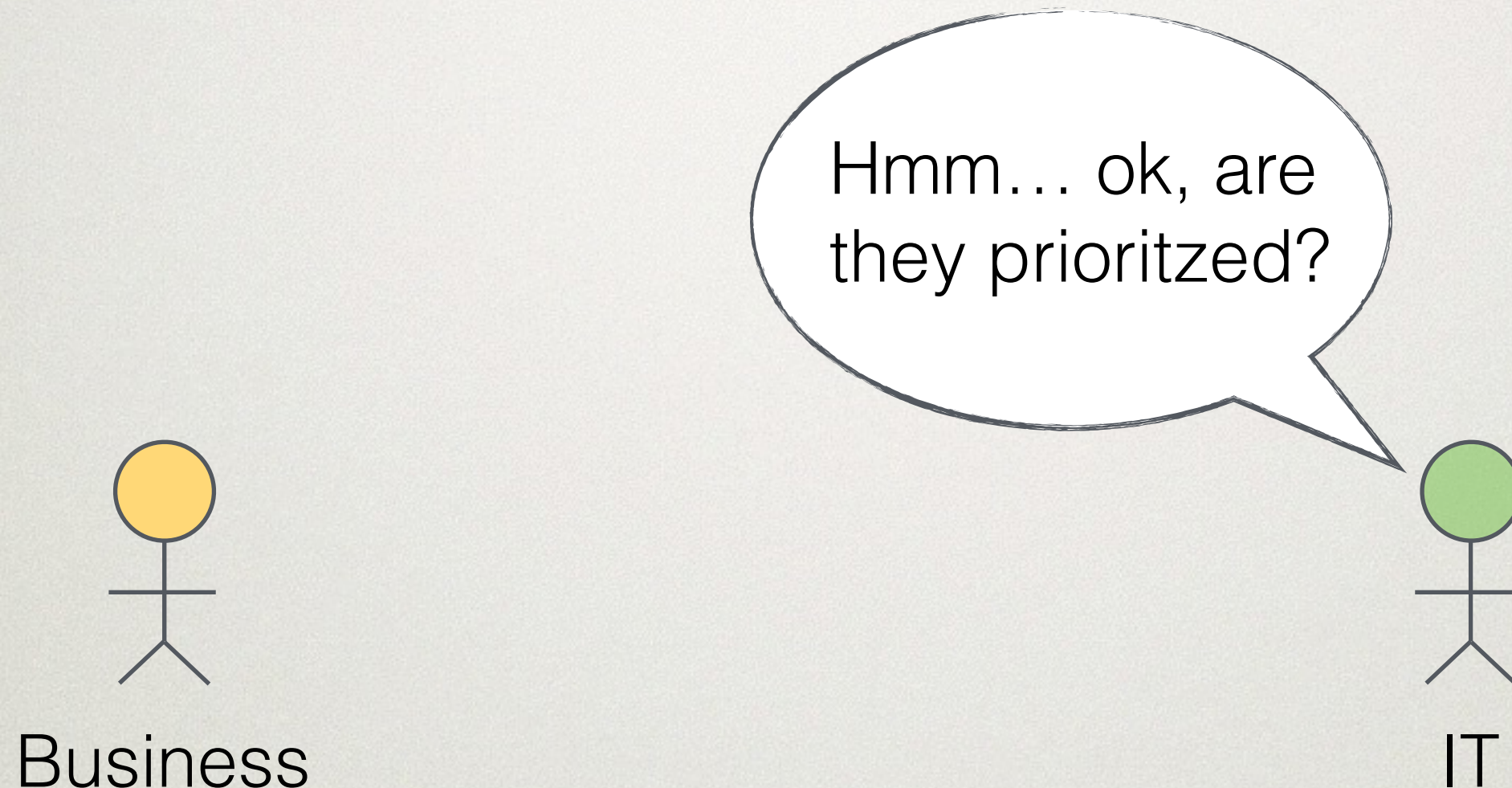


IT

THE RISK REDUCTION - RELEASE DILEMMA



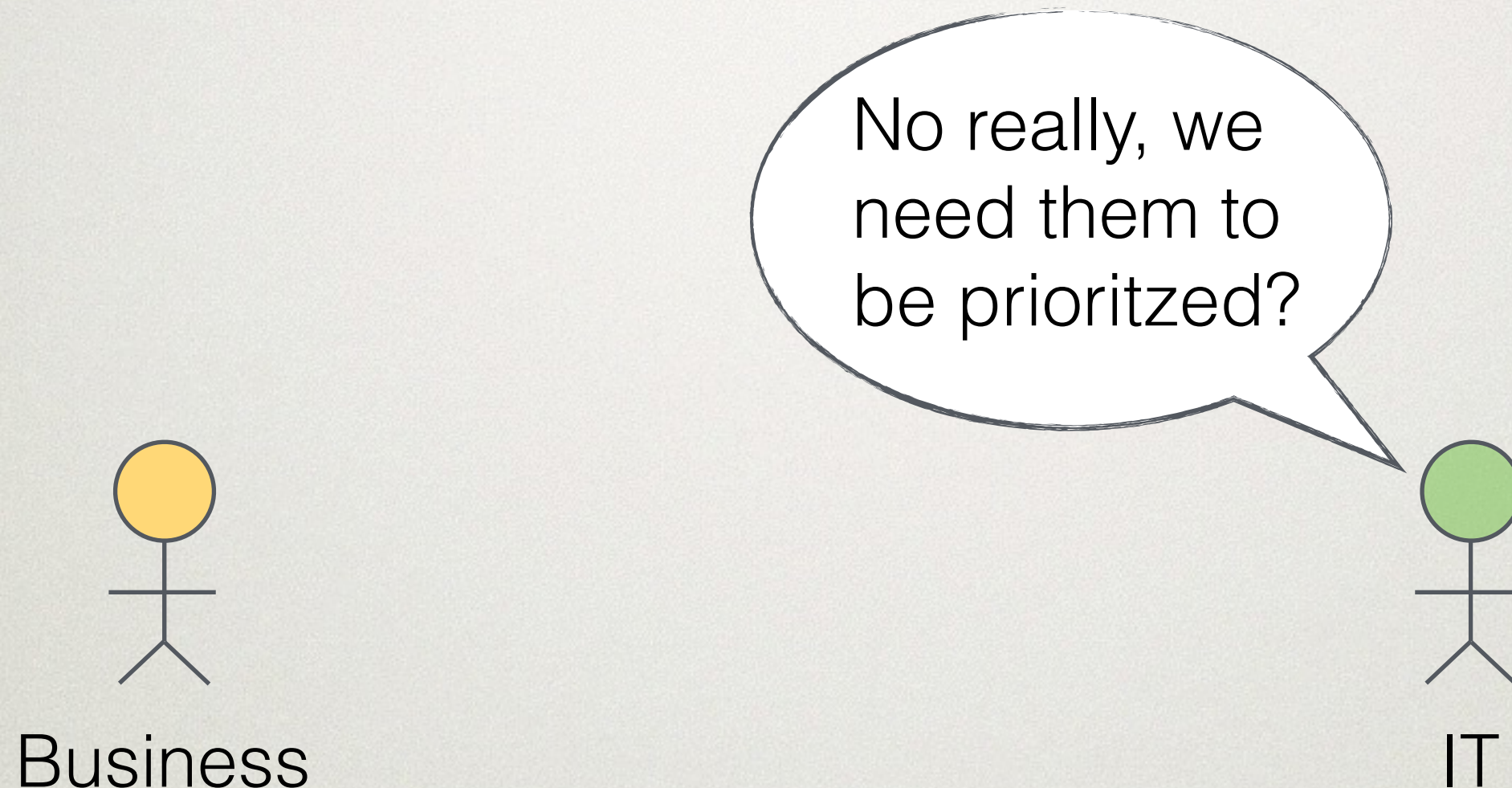
THE RISK REDUCTION - RELEASE DILEMMA



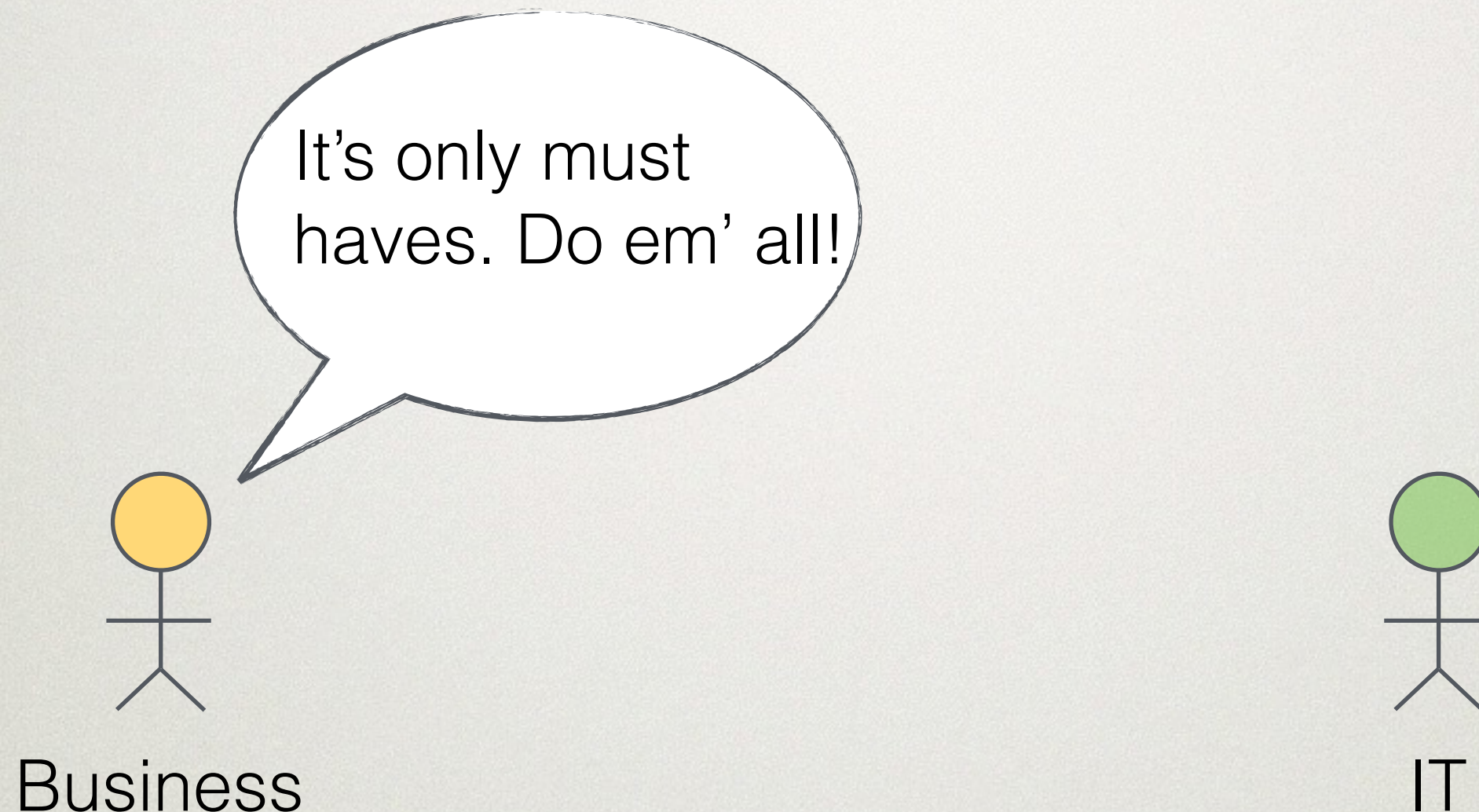
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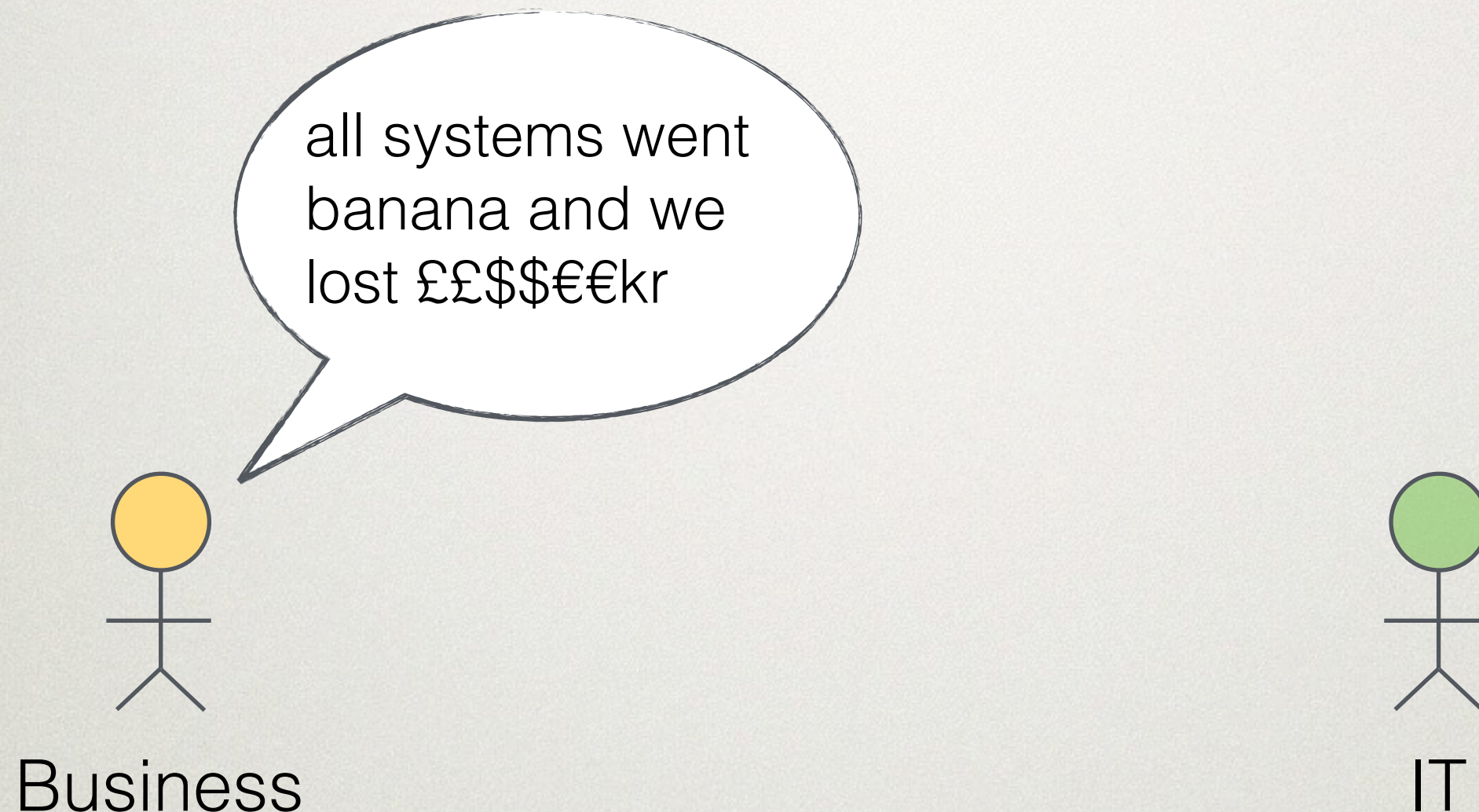
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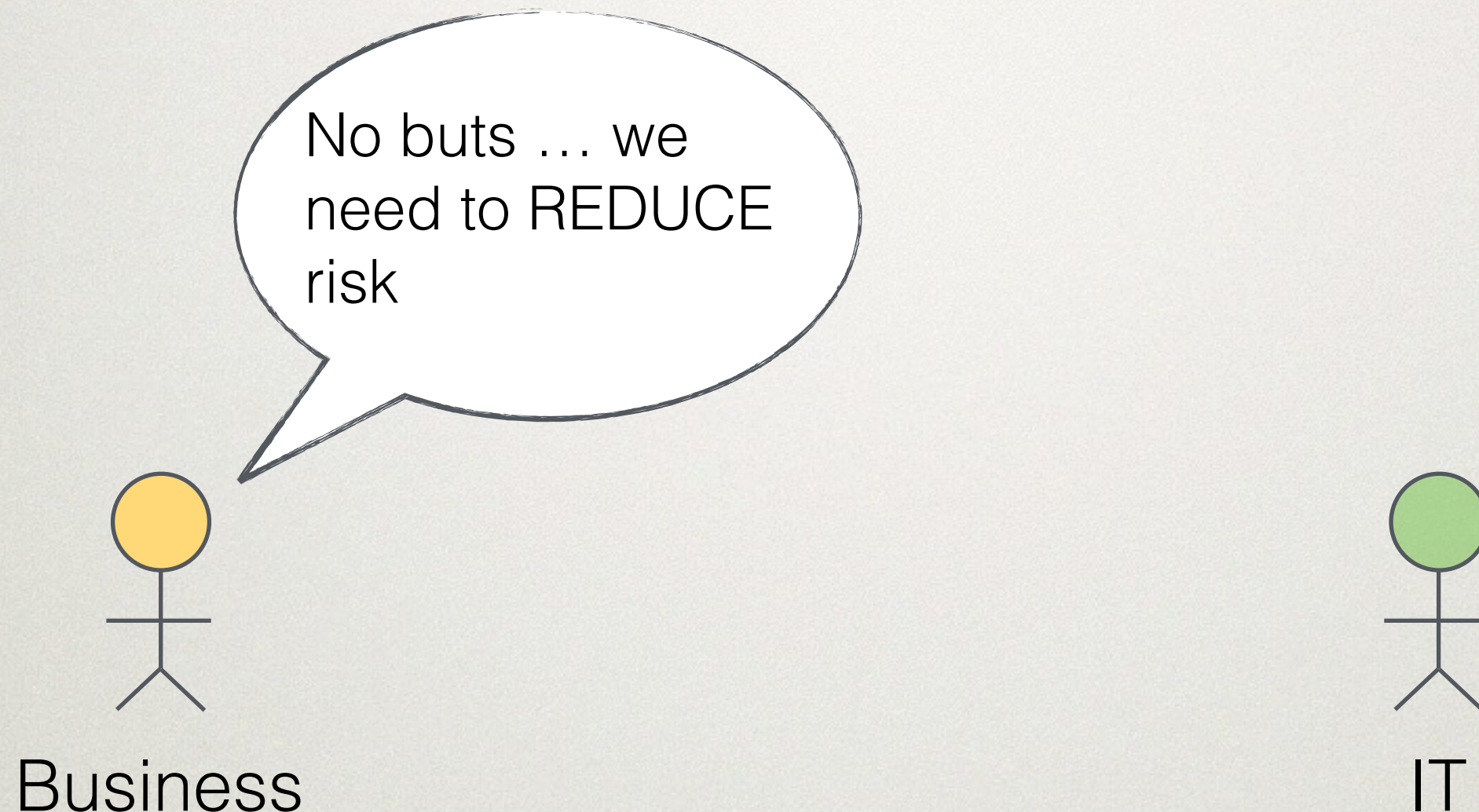
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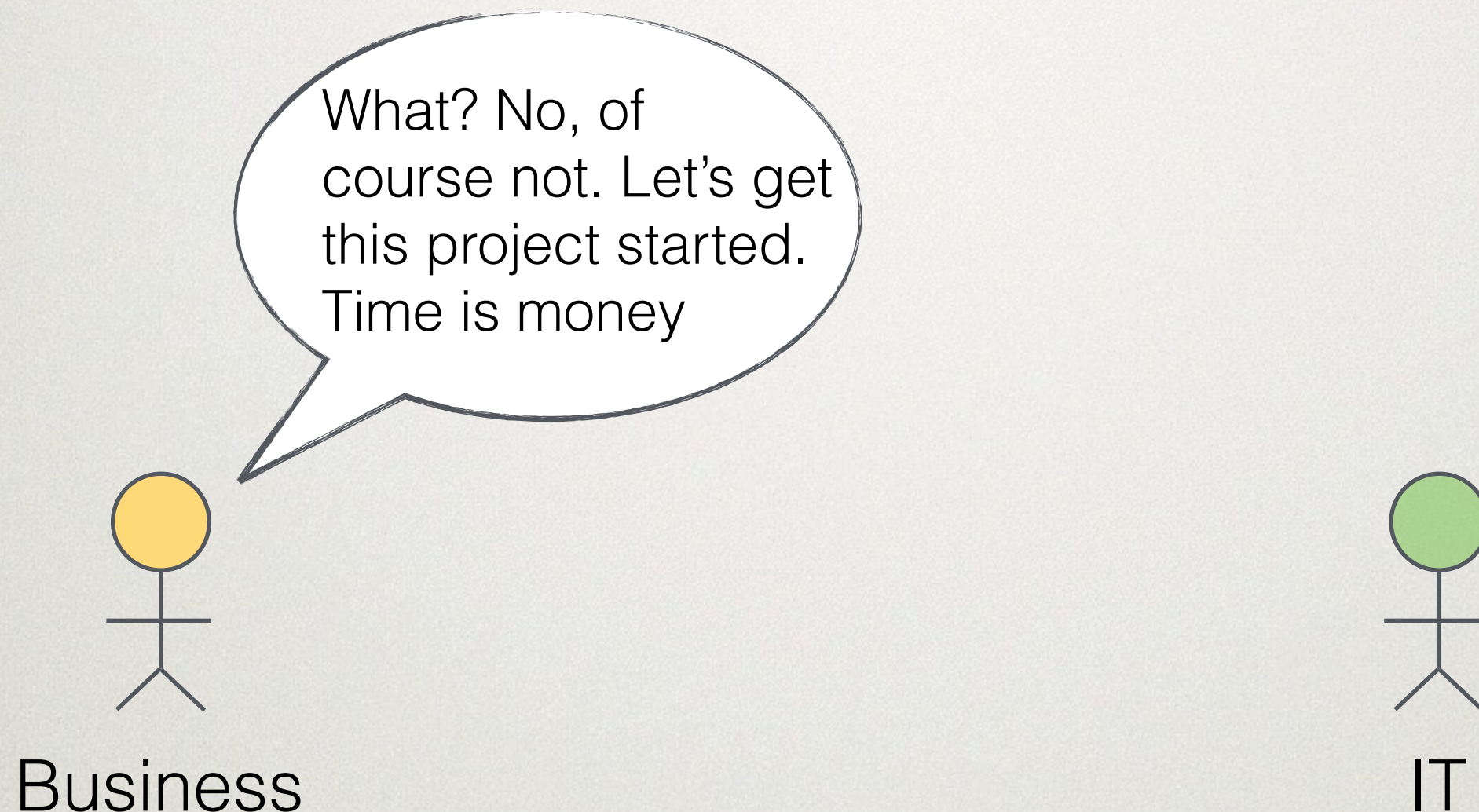
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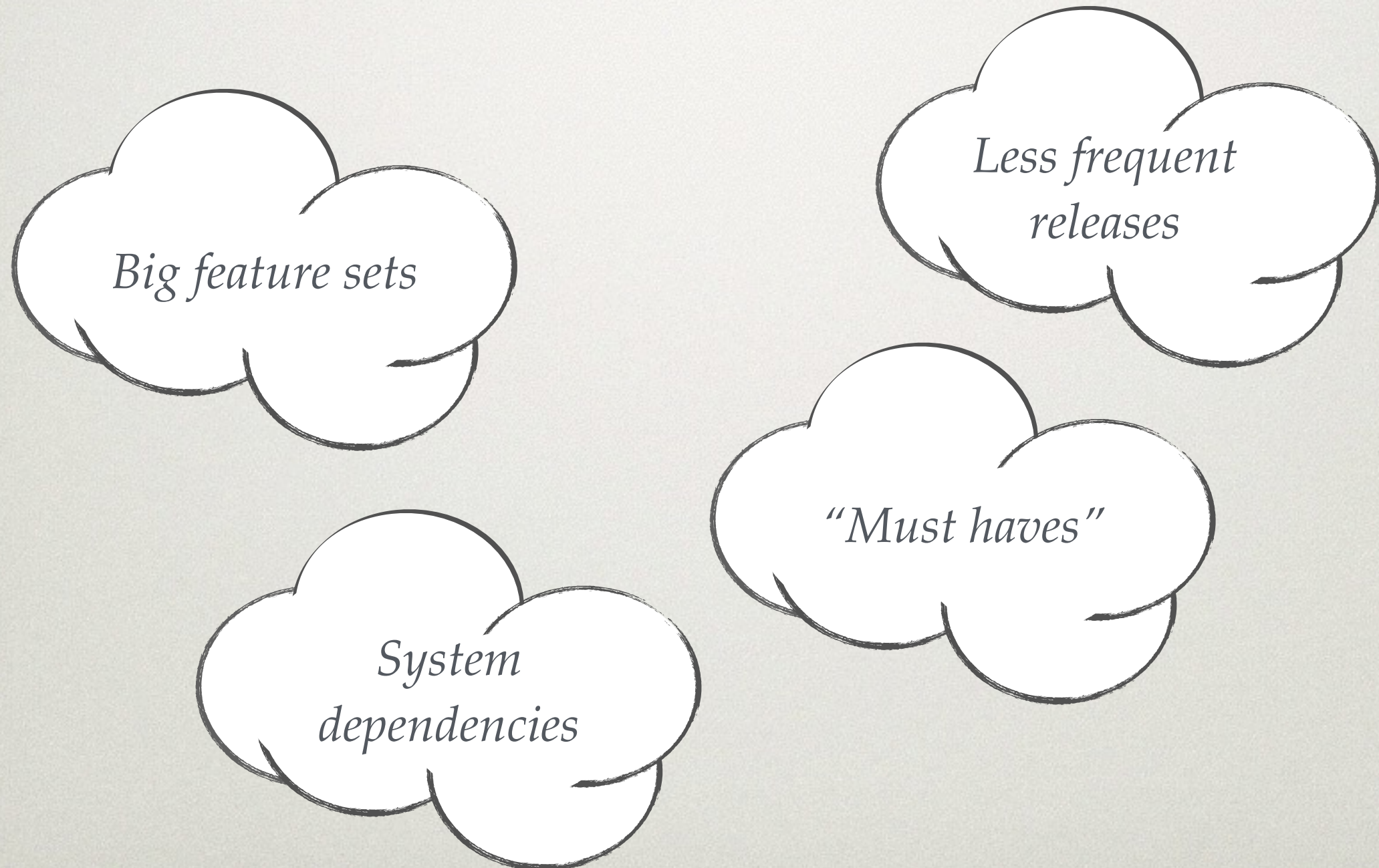
THE RISK REDUCTION - RELEASE DILEMMA



THE RISK REDUCTION - RELEASE DILEMMA



WHY IS BUSINESS ACTING THIS WAY?



KEY TAKE AWAYS

KEY TAKE AWAYS

Core or Supportive IT

KEY TAKE AWAYS

Core or Supportive IT

Cycle Time

KEY TAKE AWAYS

Core or Supportive IT

Cycle Time

Processes & Organization

KEY TAKE AWAYS

Core or Supportive IT

Cycle Time

Processes & Organization

Cultural Shift

KEY TAKE AWAYS

KEY TAKE AWAYS

Competence

KEY TAKE AWAYS

Competence

IT Management

KEY TAKE AWAYS

Competence

IT Management

Minimum Viable Product

KEY TAKE AWAYS

Competence

IT Management

Minimum Viable Product

Company Vision

Q & A



[Questions]

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Thank you!

@DanielSawano @DanielDeogun